

IYUTE-SYTYN, I. G.

Central Geophysics Observatory, Tashkent, (-1945-)

"Formula for the Calculation of the Diurnal Course of the Air's Temperature on the
Grounds of the Soil's thermal Balance,"

Iz. Ak. Nauk SSSR, Ser. Geograf. i Geofiz., N. 4, 1945

LITOKHATEV M. I.

geo 3
2

Meteorological Abst.

Vol. 4 No. 3

March 1953

Part 2

Bibliography on Frost
and Frost Forecasting

4C 264 ✓ 551.509.53.2
Lintershtein, I. G. and Chudnovskij, A. F., Formula dlia prognoza nochnogo khoda temperatury
vozdukh i prognoza radiatsionnykh zamorozkov. [Formula for the prediction of the course of
air temperature at night and of radiation frosts.] Akademija Nauk SSSR, Izdatelstvo Ser. Geogr. i
GeoFiz. 10(3):247-264, 1946. 2 figs., 10 tables, 18 refs., 70 eqns. English summary n 264 DLC
An analysis of processes which accompany radiational cooling of the air layers near the ground
The relation between principal factors which form these processes are expressed by many formulas
The formula for radiation frost forecasting, verified in Tashkent, Ashkhabad and Sverdlovsk
proved to be successful in 70-90% of all cases. Subject Headings: 1. Frost forecasting 2. Forecast
verification.

LYUTERSHTEYN, M.B.

Installation for production of furniture boards filled with
chips. Der.prom. 7 no.3:21-23 Mr '58. (MIRA 11:4)

L.TSentral'noye proyektno-konstruktorskoye byuro Minbundrevproma
RSFSR. (Furniture) (Wood waste)

LYUTERSHTEYN, M.B., inzh.

Operating the "Mikhoma" gluing press. Der. orem. 7 no. 7:23 Jl '53.
(MIRA 11:8)

1. TSentral'noye proyektno-konstruktorskoye byuro Upravleniya
mebel'noy promyshlennosti Mosgorsovnarkhoza.
(Woodworking machinery)
(Hydraulic presses)

LYUTERSHTEYN, M.B., inzh.

Glue setting machine for rapid gluing of facings onto sheet edges for frame furniture. Der.prom. 9 no.3:19 Mr '60.

(MIRA 13:6)

(Furniture industry--Equipment and supplies)
(Gluing)

LYUTERSHTYN, M. B., inzh.

Blender for the manufacture of particle boards. Der.prom. 9 no.10:
24-25 0 '60. (MIRA 13:10)
(Woodworking machinery) (Hardboard)

PASHCHENKO, Z.M.; LYUTETSKAYA, V.A.

Biology of pollen germination in remote hybridization of cotton.
Uzb. biol. zhur. no.2:40-44 '59. (MIRA 12:7)

1. Sredneaziatskiy gosudarstvennyy universitet im. V.I. Lenina.
(Cotton breeding) (Pollen)

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001031220018-3

GLUKHOV, Mikhail Mikhaylovich, agron.; LYUTFALIBEKOV, F.A., red.; FEDOROVA, Yu.A.,
red.; SAYTANIDI, L.D., tekhn. red.

[Album of honey plants] Al'bom medonosov. Moskva, Izd-vo M-va sel'-
khoz. RSFSR, 1960. 170 p.
(Honey plants)

APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001031220018-3"

IONOV, Lev Pavlovich; GORLYSHKOV, Vladimir Pavlovich; LYUTFALIBEKOV,
Farkhad Ashrafovich; ZHURAVLEV, B.A., red. izd-va;
RODIONOVA, V.M., tekhn. red.

[Rural buildings that can be assembled in a few hours]
Sel'skie postroiki, sobiraemye za neskol'ko chasov. Mo-
skva, Gosstroizdat, 1962. 78 p. (MIRA 16:3)
(Farm buildings) (Buildings, Prefabricated)

IONOV, L.; LYUTFALIBEKOV, F.

Structure made of mechanical and pneumatic elements. 'Sel'.
stroi. 16 no.6:14-15 Je '61. (MIRA 14:7)

1. Nachal'nik byuro sodeystviya rationalizatsii i izobretatel'stvu Nauchno-issledovatel'skogo instituta sel'skogo stroitel'stva
(for Ionov). 2. Nachal'nik otdela nauchnoy metodiki i informatsii
(for Lyutfalibekov).

(Buildings, Plastic)

LUK'YANOV, A.V.; LYUTIK, A.I.; CHVETZ, V.I.; PETROVSKIY, N.A.

Studies of the synthesis of liquid compounds. Dokl. Akad. Nauk SSSR (Dokl. AN SSSR) no.1:121-124 N 1955.

1. Moskovskiy institut voprosov radioaktivnoy tekhniki im. M.V. Lomonosova. Submitted April 2, 1955.

NIKOLAYEV, B.A., doktor tekhn.nauk; LYUTIK, L.A., inzh.

Plastic and elastic properties of solid fats. Masl.-zhir.
prtm. 27 no.7:23-27 Jl '61. (MIRA 14:7)

1. Tsentral'nyy nauchno-issledovatel'skiy institut khlebopekarnoy
promyshlennosti.

(Oleomargarine)
(Butter)

L 23523-66 EWP(m)/EWT(l)/ETC(m)-6/EWA(d)/EWA(l) WW

ACC NR: AP6004535

SOURCE CODE: UR/0236/65/000/004/0139/0152

AUTHOR: Lyutikas, N. S.--Liutikas, N.; Zhukauskas, A. A.--Zukauskas, A.ORG: Institute for Power and Electrotechnology of the AN LitSSR
(Institut energetiki i elektrotekhniki AN LitSSR)TITLE: Determination of heat transfer in the case of laminar flow of a fluid with variable viscosity in a flat channel

SOURCE: AN LitSSR. Trudy. Seriya B. Fiziko-matematicheskiye, khimicheskiye, geologicheskiye i tekhnicheskiye nauki, no. 4, 1965, 139-152

TOPIC TAGS: convective heat transfer, fluid flow laminar flow, fluid viscosity

ABSTRACT: The article proposes an approximate analytical solution of the problem of heat transfer for the case of the forced laminar flow of an incompressible fluid in a flat channel, taking into account the dependence of viscosity on temperature. The mathematical development is based on the following assumptions: 1) the velocity distribution in the entrance section of the flat channel is parabolic; 2) the temperature of the fluid at the entrance is constant over the cross section;

Card 1/2

L 23523-66

ACC NR: AP6004535

3) the velocity of the movement is small and the dissipation of energy can be neglected; 4) the effect of mass forces is small in comparison with the effect of viscous and pressure forces; 5) the density of the heat flux along the axis of the flat channel, determined by the heat conductivity, is small in comparison with the heat flux across the channel; and, 6) the pressure is constant over the cross section of the channel. The solution is obtained by an improved integral method for the initial thermal section and for the section of thermally stabilized flow. A polynomial of the fourth degree is used for the temperature distribution. For the isothermal problem, the local heat transfer was determined by the equation $Nu = 1.022 (Pe \cdot h/x)^{1/3}$, and the mean heat transfer by the equation $Nu = 1.533 (Pe \cdot h/x)^{1/3}$. These equations are said to coincide with known exact solutions to an accuracy of 4%. Orig. art. has: 59 formulas, 5 figures, and 1 table.

SUB CODE: 20/ SUBM DATE: 22May65/ ORIG REF: 004/ OTH REF: 005

Card 2/2

ACC NR: AP7003466 (N)

SOURCE CODE: UR/0236/66/000/002/0143/0153

AUTHOR: Lyutikas, N. S.--Liutikas, N.; Zhukeuskas, A. A.-Zukauskas, A.

ORG: Institute of Energetics and Electrotechnology, Academy of Sciences of the
Lithuanian SSR (Institut energetiki i elektrotekhniki Akademii nauk Litovskoy SSR)TITLE: Determination of heat transfer in the case of laminar flow of a fluid with
variable viscosity in a flat channel. 2. With constant heat flux density at the wallSOURCE: AN LitSSR. Trudy. Seriya B. Fiziko-matematicheskiye, khimicheskiye,
geologicheskiye i tekhnicheskiye nauki, no. 2, 1966, 143-153

TOPIC TAGS: heat transfer coefficient, laminar flow, fluid flow, hydraulic resistance

ABSTRACT: The article presents an approximate analytical solution for the problem of
heat transfer and hydraulic resistance with forced laminar flow of an incompressible
fluid in a flat channel, taking into account the temperature dependence of the
viscosity. The solution was obtained by an improved Karman-Pohlhausen integral method
for the initial thermal section and for the section of thermally stabilized flow. A
polynomial of the fourth degree was used for the temperature distribution. The article
also gives a comparative analysis of the use of polynomials of the second and third
degrees for the temperature distribution. In the case of the isothermal problem, the
local heat transfer is given by the equation $Nu = 1.170(Re \cdot h/x)^{1/3}$, and the mean heat

Card 1/2

ACC NR: AP7003466

transfer by the equation $\bar{h} = 1.755(\Pr \cdot h/x)^{1/3}$. These equations agree to in accuracy of 1.1% with a precise solution given previously in the literature. The numerical calculations were made on a "Minsk-14" computer, and the limiting value of the Nusselt number was determined to be equal to 4.175. Orig. art. has: 51 formulas, 2 figures, and 1 table.

SUB CODE: 20 / SUBM DATE: 04Mar66 / ORIG. REF: 004 / OTH. REF: 006.

Card 2/2

LYUTIKOV, A., inzh.; PRIVALOVSKIY, K., tekhnik-stroitel'

Precast reinforced concrete in water management construction.
Sel'st. stroi. 17 no.4:18-19 Ap '63. (MIRA 16:7)

(Precast concrete construction—Congresses)
(Water--Distribution)

LYUTIKOV, A. F. (ENG.) --Compiler

"Reference Catalogue of Laboratory Apparatus and Equipment" (Katalog-spravochnik laboratornykh priborov i oborudovaniy, Vypusk 38: Svednyye tablitsy izdelyi, alfavitnyy ukazatel', Mashgiz, pp 1-79, 1950, Russian pamphlet, Leningrad)

Full translation available.

LXI

LYUTIKOV, A.F.; FHOLOV, A.I.

[Organization, method of operation and introduction of standards]
Organizatsiya i metodika razrabotki i vnedreniya normalei. M,
Sovetskoe radio, 1951.
(MLRA 8:5)
(Standardization)

LYUTIKOV, A. F., Eng.

Standardization

"Problems of theory and methods of standardization." Vest mask. 32 no. 5, 1952.

9. Monthly List of Russian Accessions, Library of Congress, October 1952, Uncl.

VEYS, D.A.; KOKHTEV, A.A.; LELYANOV, V.A.; MALYNNICH, V.I.; POVOLOTSKIY, L.I.; RASKATOV, V.M., inzhener; TOPORNIN, G.S.[deceased]; LAPUSHKIN, A.D., dotsent, retsenzent; USPASSKIY, P.P., professor, retsenzent; ARKHANGELSKIY, V.M., kandidat tekhnicheskikh nauk, retsenzent; REGIHER, Z. L., kandidat tekhnicheskikh nauk, retsenzent; SHAROV, M.Ya., kandidat tekhnicheskikh nauk, retsenzent; YUR'YEV, M.G., inzhener, retsenzent; LYUTIKOV, A.F., redaktor; MODEL', B.I., tekhnicheskiy redaktor.

[Manual on materials for the construction of locomotives and railroad cars] Spravochnik po materialam dlja lokomotivo- i vagonostroenija. Pod obshchei red. V.M. Raskatova. Moskva, Gos. nauchno-tekhn. izd-vo machino-stroit. lit-ry, 1956. 481 p.
(Locomotives--Construction) (Railroads--Cars--Construction)

LYUTIKOV, A.G., inzh.

Experience in operating TsRS-2 and ARS-2 transmitter-receivers
in an electric power distribution system. Energetik 11 no.8:
(MIRA 16:10)
7-10 Ag '63.

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001031220018-3

LYUTIKOV, A.P., inzh.; NIKOL'SKIY, A.Yu., inzh.; SHAMRAY, V.M., inzh.;
SHUGAYEV, V.V., inzh.

Mesh-reinforced concrete on building sites of water development
projects. Trudy Giprovodkhoza no.26:73-123 '64.

(MIRA 18:6)

APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001031220018-3"

LYUTIKOV, K. M.

"Achondroplastic micromelia (serious dwarfism in the Yaroslav breed of large cattle)." (p. 413) Section of Genetics and Selection, All-Union Institute of Cattle Breeding, Moscow. by Lyutikov, K. M.

SO: Biological Journal (Biologicheskii Zhurnal) Vol. VI, 1937, No. 2

1. LYUTIKOV, K.M.
2. USSR (600)
4. Cattle Breeding
7. Results of in-breeding and out-breeding as exemplified by the Bestuzhev breed of cattle. Zhur.ob.biol. 14 no. 2, 1953.
9. Monthly List of Russian Accessions, Library of Congress, APRIL 1953, Uncl.

LYUTIKOV, K.M., professor.

Characteristics of crossbred cattle. Dokl.Akad.sel'khoz.21 no.12:25-
31 '56. (MLRA 10:2)

1. Leningradskiy veterinarnyy institut. Predstavlena akademikom
N.G.Belen'kim.
(Cattle breeding)

Q

Country : USSR
CATEGORY : Farm Animals. Cattle
ABD. JOUR. : RZBiol., No. 13, 1958, No. 59498
AUTHOR : Lyutikov, N.M.
INST. :
TITLE : Prospects of Crossbreeding East Friesian
Cattle with Jersey Sires
ORIG. PUB. : Molochn. i myasnoye zhivotnovodstvo, 1957,
No 8, 35-40
ABSTRACT : The data regarding growth, development and
productiveness (after first completed lac-
tation) of crosses of the Jersey cattle with
the East Friesians obtained at the "Shilovo"
sovkhоз of Ryazanskaya Oblast are given. By
their conformation, the crossbred heifers
were closer to the Jerseys than to the East
Friesians. The milk yield of the first calf
heifers for a lactation was 3,203 kg. with
4.4% of fat content and 140.7 kg. of butter-

CARD:

1/3

Q

COUNTRY : USSR
CATEGORY : Farm Animals. Cattle
ABS. JOUR. : RZBiol., No. 13, 1958, No. 59498

AUTHOR :
INST. :
TITLE :

ORIG. PUB. :

ABSTRACT : fat (1.09% of fat content and 23.4 kg. of
cont'd. butterfat in excess over East Friesian dams).
It is pointed out that the differences in
the quality of the crossbred Jersey cows ob-
tained in various experiments mainly depend
on hereditary traits of the Jersey sires
used. A doubt is voiced as to the expediency
of the reverse crossing of the crossbreds of
the first generation with the East Friesian

CARD: 2/3

Q - 16

Country : USSR
CATEGORY : Farm Animals. Cattle

Q

ABD. JOUR. : PZBiol., No. 13, 1958, No. 59498

AUTHOR :
INST. :
TITLE :

ORIG. PUB. :

ABSTRACT : sires. The alternate crossing of several
cont'd. breeds and interbreeding of crosses is con-
sidered to be more profitable.-- P. F. Ro-
kitskiy

CARD: 3/3

USSR/Farm Animals. Cattle

Q-2

Abs Jour : Ref Zhur - Biol., No 8, 1958, № 35663

Author : Lyutikov K.M.

Inst : Not Given

Title : The Characteristics of the Blood of the Crossbred Fattening Young Cattle of the Beef Type (Kharakteristika krvi lyschnogo ponesnogo stekormochnogo melodnyakr krupnogo regesta skotu)

Orig Pub : Sb. rabot. Leningr. vet. in-t, 1957, vyp. 16, 146-150

Abstract : The periodic blood tests of young cattle, carried out in two sovkhozes of the Moscow Oblast', demonstrated the difference between the blood indexes of the hybrid calves, resulting from the crossbreeding of Hereford bulls with the cows of the dairy breeds, and those of the calves of the dairy breeds. In the crossbreeds, with a decreased quantity of blood, a somewhat higher specific gravity and higher protein content and Hb, as well as better slaughter qualities, could be observed.

Card : 1/1

LYUTIKOV, R.A.; PUSTYL'NIKOV, V.M.

Determining the electric conductivity of high-temperature slags.
Vest.AN Kazakh.SSR 16 no.5:70-75 My '60. (MIRA 13:7)
(Slag--Electric properties)

LYUTIKOV, R.A. (Moskva); TSYLEV, L.M. (Moskva)

Viscosity and electric conductivity of melts in the system magnesium
oxide - silicon - aluminum oxide. Izv. AN SSSR. Otd. tekhn. nauk. Met. i
gor. delo no.1:41-52 Ja-F '63. (MIRA 16:3)
(Slag—Electric properties) (Viscosity)

LYUTIKOV, R.A. (Moskva); TSYLEV, L.M. (Moskva)

Effect of chromium oxides on the viscosity and conductance
of melts in the system silicon oxide - magnesium oxide -
aluminum oxide. Izv. AN SSSR. Otd. tekhn. nauk. Met. i gor.
delo no.2:59-66 Mr-Ap '63. (MIRA 16:10)

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001031220018-3

LYUTIKOV, V.

On Siberian land. Sov.profsoiuzy 5 no.11:42-53 N '57. (MIRA 10:11)
(Siberia--Stock and stockbreeding)

APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001031220018-3"

LYUTIKOV, V. (g.Kherson)

The drawing power. Sov. profsoiuzy 17 no.18:8-11 S '61.
(MIRA 14:8)
(Kherson--Agricultural machinery industry)
(Socialist competition)

LYUTIKOV, V.

When a collective agreement is broken... Sov.profsoiuzy 16
no.17:39-40 S '60. (MIRA 13:8)
(Zavolzh'ye--Industrial hygiene)

LYUTIKOV, V.

Working day of the head of a factory committee. Sov. profsoiuzy
18 no.2:23-24 Ja '62. ('MIRA 15:4)

1. Alma-Atinskiy mekhovoy kombinat.
(Alma-Ata--Fur workers) (Alma-Ata--Works councils)

LYUTIKOV, V. (Voronezhskaya obl.)

Behind the shield of average figures. Sov. profsoiuzy 19
no.17:20-21 S '63. (MIRA 16:11)

1. Korrespondent zhurnala "Sovetskiye profsoyuzy."

LYUTIKOV, V.

With a creative fire. Sov. protocuzy 17 no.21:37-38 N '61.
(MIRA 14:10)

1. Zavod "Avtopribor", g. Vladimir.
(Vladimir—Instrument industry)
(Trade unions)

BELYKH, D.P., kand. ist. nauk; VALYULIS, I.A.; GOTSKIY, M.V., kapitan dal'nego plavaniya [deceased]; D'YACHUK, I.L., kapitan dal'nego plavaniya; KALYKOV, F.A., kapitan dal'nego plavaniya; KREMS, A.K., kapitan dal'nego plavaniya; KOLOTOV, N.A., dots.; PETRENKO, S.A.; RASKATOV, A.S.; FISHER, Ye.L.; DVORNAIK, B.M., otv. red.; LEVITSKIY, V.L., red.; LYUTIKOV, V.K.; MALAKHOV, N.N., red.; POL', P.A., red.; RASKATOV, A.S., red.; CHICHVARKHIN, V.S., red.; RADOSTIN, V.A., red.; LAVRENOVA, N.B., tekhn. red.

[History of Far Eastern Steamship Lines]Istoriia dal'nevostochnogo parokhodstva; ocherki. Moskva, Izd-vo "Morskoi transport." 1962. 263 p. (MIRAI5:11)
(Soviet Far East--Merchant marine)

LYUTIKOV, Vladimir Petrovich; SEMENOV, S.M., red.; ZAYTSEVA, L.A.,
tekhn. red.

[Work organization of the trade-union committee in an
enterprise] Organizatsiya raboty profsoiuznogo komiteta na
predpriyati. 2., ispr.i dop. izd. Moskva, Profizdat, 1963.
93 p. (Bibliotekha profsoiuznogo aktivista, no.1(49))
(MIRA 16:7)

(Trade unions--Handbooks, manuals, etc.)

LYUTIKOV, Vladimir Petrovich

[Organizing the work of trade-union committees in factories]

Organizatsiia raboty komiteta profsoiuza na predpriatiu.

Moskva, Profizdat, 1961. 61 p. (Bibliotekha profsoiuznogo
aktivista, 20) (MIRA 16:1)

(Trade unions)

o , 1

KON'KOV, Vladimir Lukich; LYUTIKOV, Vladimir Petrovich, zhurnalist;
NOVOSPASSKIY, V.V., red.; ANDREYEVA, L.S., tekhn. red.

[How to organize work of the trade-union committee on a state
farm]Kak organizovat' rabotu profsoiuznogo komiteta v sovkhoze.
Moskva, Profizdat, 1962. 53 p. (Bibliotechka sel'skogo prof-
soiuznogo aktivista, no.5) (MIRA 16:1)

1. Predsedatel' rabochego komiteta sovkhoza "Shuyskiy" Ivanovskoy
oblasti (for Kon'kov).
(Trade unions) (State farms)

MUTSINOV, Gennadiy Vasil'yevich; LYUTIKOV, V.P., red.

[Computing wages for workers and employees] Raschety po
zarabotnoi plate rabochikh i sluzhashchikh. Moskva, Prof-
izdat, 1965. 158 p. (MIRA 18:4)

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001031220018-3

LT. Col. [redacted]

Subject, [redacted] -- "Sergeant of the Month" -- [redacted]
In [redacted] [redacted] [redacted] [redacted] [redacted]
[redacted] [redacted] [redacted] [redacted] [redacted]

201 [redacted], [redacted]

APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001031220018-3"

CHERNITSOV, A., kamenshchik; KLEPEROV, N., inzh.; TRAMBITSKIY, I., plotnik;
KONOVALOV, V., kranovshchik bashennogo kraana; LYUTIKOV, V.; SHAKHOV, G.

Public control over new construction developments. Sov. profsoiuzy
16 no.19:16-22 0 '60. (MIRA 13:10)

1. Rabochiye korrespondenty zhurnala "Sovetskiye profsoyuzy" (for
all except Lyutikov, Shakov). 2. Tret'ye stroitel'noye upravleniye
tresta No.25 g. Novokuybyshevsk (for Chernitssov). 3. Rukovoditel'
knotrol'noy gruppy zavkoma Novokuybyshevskogo neftepererabatyvayu-
schego zavoda (for Kleperov). 4. Obshchestvennyy tekhnicheskiy
inspektor oblssovprofa, Kuybyshevskaya oblast' (for Trambitskiy).
5. Spetsial'nyye korrespondenty zhurnala "Sovetskiye profsoyuzy"
(for Lyutikov, Shakov).

(Kuybyshev Province--Construction industry)
(Kuybyshev Province--Trade unions)

GINDIN, A.P.; OGIVENKO, N.M.; LYUTIKOVA, O.G.; STATKEVICH, I.A.

Siderocytes in the peripheral blood in virus anemia. Biul.eksp.biol.
i med. 42 no.9:20-21 S '56. (MLRA 9:11)

1. Iz patomorfologicheskoy laboratorii (zav. - prof. A.P.Gindin)
Instituta epidemiologii i mikrobiologii imeni N.F.Gamelei (dir. -
deystvitel'nyy chlen AMN SSSR prof. G.V.Vygodchikov) AMN SSSR.
Predstavlena deystvitel'nym chlenom AMN SSSR P.F.Zdrodovskim
(ANEMIA,
equine infect. anemia in horses, peripheral siderocytes in
(HORSES, disease,
infect. anémie, poripheral siderocytes in (Rus))
(ERYTHROCYTES,
siderocytes in peripheral blood in equine infect. anemia
of horses (Rus))

RYABKOV, G.Ye., GLINICH, A.P.; LYUTIKOVA, S.G.; USHAKOVA, A.V.

Clinical aspects and laboratory diagnosis of liver amyloidosis in horses producing therapeutic sera. Zav. i svyaz. nauchno-tekhnicheskogo (MERA 18:8)

3. Izdatelstvo zdravookhranitel'noi i nauchno-tekhnicheskoi literatury, Leningrad, 1983.

"APPROVED FOR RELEASE: 08/31/2001

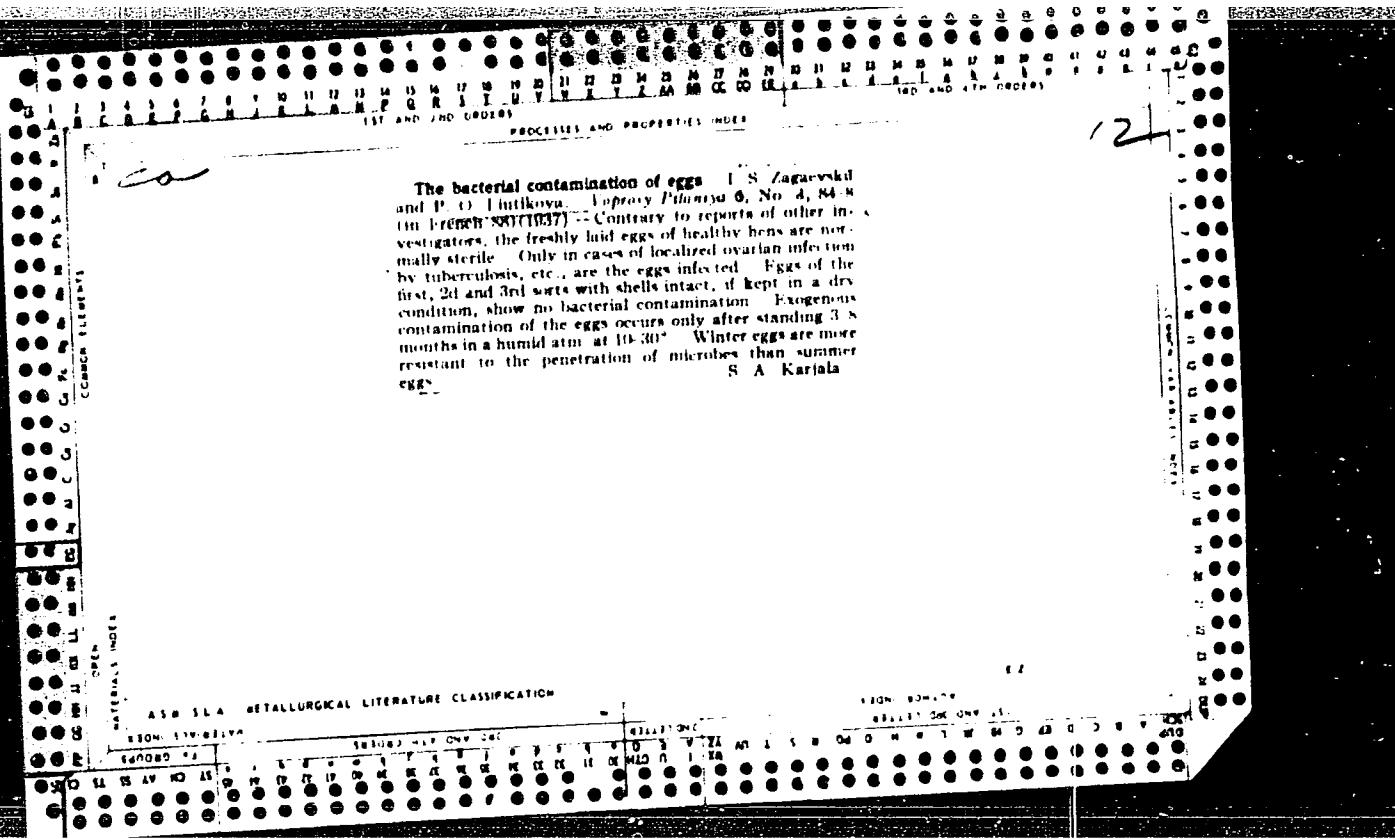
CIA-RDP86-00513R001031220018-3

PANKOVA, F., kand.tekhn.nauk; PROKOL'YEVA, T.; LYUTIKOVA, P.

Canning eggs in liquid form. Mias.ind.SSSR 32 no.6:22-23 '61.
(MIRA 15:2)
(Egg--Preservation)

APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001031220018-3"



CA LYUTIKOVA, P.

12

Spray-drying arrangement for production of egg powder.
Ig. Pankova and P. Lyutikova. Mysnaya Industriya
S.S.R. 23, No. 2, 33-01852). Spray-drying eggs with the
"HEMA" system was investigated. Optimum conditions
were found to be: pump pressure 55-57 atm., temp. of air
going into the system 130-140°, and temp. in the spray
zone 45-48°. M. M. Piskur

USSR

✓Stability of egg powder in storage. F. Pankova, P. Lutikova, and M. Podlesnev. Zemstvaya Ind. S.S.R. 26, No. 1, 37-8 (1966). Dried eggs in various type containers were stored at 30-6°, 18-25°, -2 to +3°, -12 to -14°, and -24° and periodically observed for phys. and chem. changes, bacteria content, taste, odor, bloom, and appearance. At 18-25° stabililities in various containers were: veneered containers 9, hermetically sealed tinned cans 12, and in glass under vacuum 18 or more months. Storability at 0 to -24° can be for as much as 3 yrs. Detail results are not presented. M. M. Plakur

USSR/Chemical Technology. Chemical Products and Their Application -- Food Industry,
I-28

Abst Jurnal: Referat Zhur - Khimiya, No 2, 1957, 6728

Author: Podlegayev, M. A., Pankova, F. I., Lyutikova, P. O., Prokof'yeva,
T. V.

Institution: All-Union Scientific Research Institute of Poultry Industry

Title: Improvement of Processes for the Production of Egg Melange and Egg
Powder

Original
Publication: Tr. Vses. n.-i. in-ta ptitseprom-sti, 1956, 6, 3-17

Abstract: Description of the mechanized continuous production line for the
manufacture of egg melange and dry egg products, which has been de-
veloped by the All-Union Scientific Research Institute of the Poultry
Industry, and of the results of tests of machines for washing, disin-
fecting and shelling of eggs (VNIIP), a steam pasteurizer with ex-
peller stirrer, a semi-automatic batching machine, etc. In experi-
ments with the use of ultrasound (of a frequency of 1,000 kilohertz)
for stirring of the egg mixture, the formation of a highly homogenized
melange within 15-20 seconds was ascertained.

Card 1/1

LYUTIKOVA, P.

Mineral feed from egg shells. V. Funkova, I. Prkol'eva, P. Lyutikova, and T. Minakova (All Union Sci.-Research Inst. Poultry Ind., Moscow). *Mysinaya Ind. S.S.R.*, 27, No. 5, 36-7 (1958). — About 11-(3% of the egg wt.) is shell which consists of about 93-6% CaCO₃. An industrial installation is described for drying and grinding egg shells for manufg. animal feed with an efficiency of 200 kg. dry egg-shell powder (with max. 2.5% H₂O) per hr.
E. Wierbiński

4

PANKOVA, F.; PROKOF'YEVA, T.; LYUTIKOVA, P.

Using plate-type pasteurizer in the production of liquid egg me'lange.
Mias.ind.SSSR 28 no.1:31 '52. (MLRA 10:3)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut ptitsepersabaty-
vayushchey promyshlennosti.
(Pasteurizers) (Food--Bacteriology)

PROKOF'YEVA, T., inzh.; LYUTIKOVA, P., zootehnik

Ultraviolet irradiation of egg shells. Mias. ind. SSSR 30 no.3:
52-53 '59. (MIRA 12:9)

1. Tsentral'nyy nauchno-issledovatel'skiy institut pritsep-
pererabatyvayushchey promyshlennosti.
(Eggs) (Ultraviolet rays--Industrial applications)

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001031220018-3

PANKOVA, F.I., kand. tekhn. nauk; PROKOP'YEVA, T.V., starshiy nauchnyy
sotrudnik; LYUTIKOVA, P.O., starshiy nauchnyy sotrudnik

New types of food products made with eggs. Trudy TSNIIPPA 9:
32-41 '62.
(MIRA 16:6)

(Eggs--Preservation)

APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001031220018-3"

LYUTIN, A.A. Cand Agr Sci (diss) "River bed soil of ⁴⁴ *Sylva diver.*"
Mos, 1956 25 pp 21 cm. (USSR Agral Sci Soil Inst im V.V. Dokuchayev.)

150 copies

(KL, 11-57, 99)

40

LYUTIN, A. I.

"The Marshy Soil of the Syiva River."

dissertation defended for the degree of Candidate of Agricultural Sciences
at the Soil Inst. im V. V. Dokuchayev.

Defense of Dissertation (Mar-Jul 1957),
Sect. of Biological Sciences
Vest. AN SSSR, 1957, v. 77, No. 1, pp. 117-2.

1A
2
Stabilization of mineral suspensions. I. Relation between the stabilizer and the stability of the suspensions. L. V. Lyutin. *J. Phys. Chem. (U. S. S. R.)* 4, 299-304 (1933).—Data are given for adsorption by kaolin, talc, glass powder, graphite, Si, Fe₂O₃ and Al₂O₃ stabilized with tannin, gelatin, albumin and gum arabic. II. Inorganic colloids as stabilizers of mineral suspensions. L. V. Lyutin and G. V. Zakhareva. *Ibid.* 305-7.—Iron oxide adsorbed on graphite suspensions acts as a stabilizer. III. Stabilizing action of organic dyes on graphite suspensions. *Ibid.* 373-9.—Data are given for adsorption and stabilizing action of a large no. of dyes on graphite. Only cationic or semicationic dyes giving irreversible adsorption are effective, as Congo red, maline blue, osmia. P. H. Rathmann

181

Methods for the preparation of stable graphite suspensions. I. V. LUTIN AND
 G. V. ZAKHAROVA. Mineral. Sér's 8, No. 1, 58-70 (1933); cf. Kolloidact. 1932,
 72.—The causes of the coagulation of com. highly dispersed graphite suspensions
 stabilized with alk. tanning ext. and the methods for production of improved colloidal
 graphite were investigated. A new graphite suspension stabilized with cellulose sulfate
 waste liquor was developed, which gives reversible dried suspensions. Graphite with
 ext. and sulfate liquor, left to the following conception of the stabilization mechanism
 tannins are irreversibly adsorbed by graphite, the adsorption increasing with the
 concn. of tannins, prolonged storage and higher temps. The transference of tannin
 from dispersing medium to the dispersed phase continues as long as the medium con-
 tains tannin. The formation of adsorption film alone does not cause the stabilization
 of the suspension. The stable suspensions can be formed only in a medium contg. a
 sufficient excess of NaOH. The alk. tannin medium itself is very unstable, being
 oxidized by O of the air and hydrolyzed with the destruction of tanning materials and
 the formation of gallic acid and glucose. The hydrolysis binds the alkali and thus
 lowers the resistance to coagulation by acids, in some cases even in the presence of strong
 alkalies, to practically nothing. The method of prepn. was modified thus. Graphite
 was powdered, in the presence of alk. tanning ext. (5-8% tanning ext. of the wt. of graphite
 and 20% NaOH of the wt. of ext.), the suspension coagulated with a little acid, the
 graphite filtered, washed, mixed with NH₃ or NaCO₃, with or without the addn. of
 a little tanning ext., and the whole mass mixed in a colloid mill. The mechanism of
 stabilization with sulfate liquor is different. Ligninsulfonic acid is also irreversibly
 adsorbed by graphite, but its absorption proceeds normally according to the isotherm
 of adsorption, the limit of satn. being reached at a definite concn. Stirring causes no
 changes of the stabilizer from a dispersing medium to the dispersed phase, and a con-
 siderable quantity of stabilizer is preserved after long storage. Sulfate liquors do not
 change their stabilizing activity with the variation of the concn. of H ions, and they stabi-

live in acid, alk. and neutral media. For the prep. of dry reversible graphite suspensions stabilized with sulfite liquor, dry powd. graphite, anti-scale graphite and graphite pulverized with the sulfite liquor in a colloid mill were used, sulfite liquor freed from H_2SO_4 , SO_3 and Ca salts was preferable. Larger proportions of sulfite liquor gave more readily reversible suspensions. The drying was carried out *in vacuo* with mech. stirring to a pitch like consistency. The dry suspensions dissolve slowly in cold and rapidly in hot water, are very stable toward acids and boiling, and are more stable with salts than the suspensions stabilized with tannin. The dispersion is characterized by the fall of concn. at 10 cm. height of 20-8% in 30 min. and 70% in 24 hrs. The anti-scale suspensions with sulfite liquor counteract the corrosive action of graphite on iron.

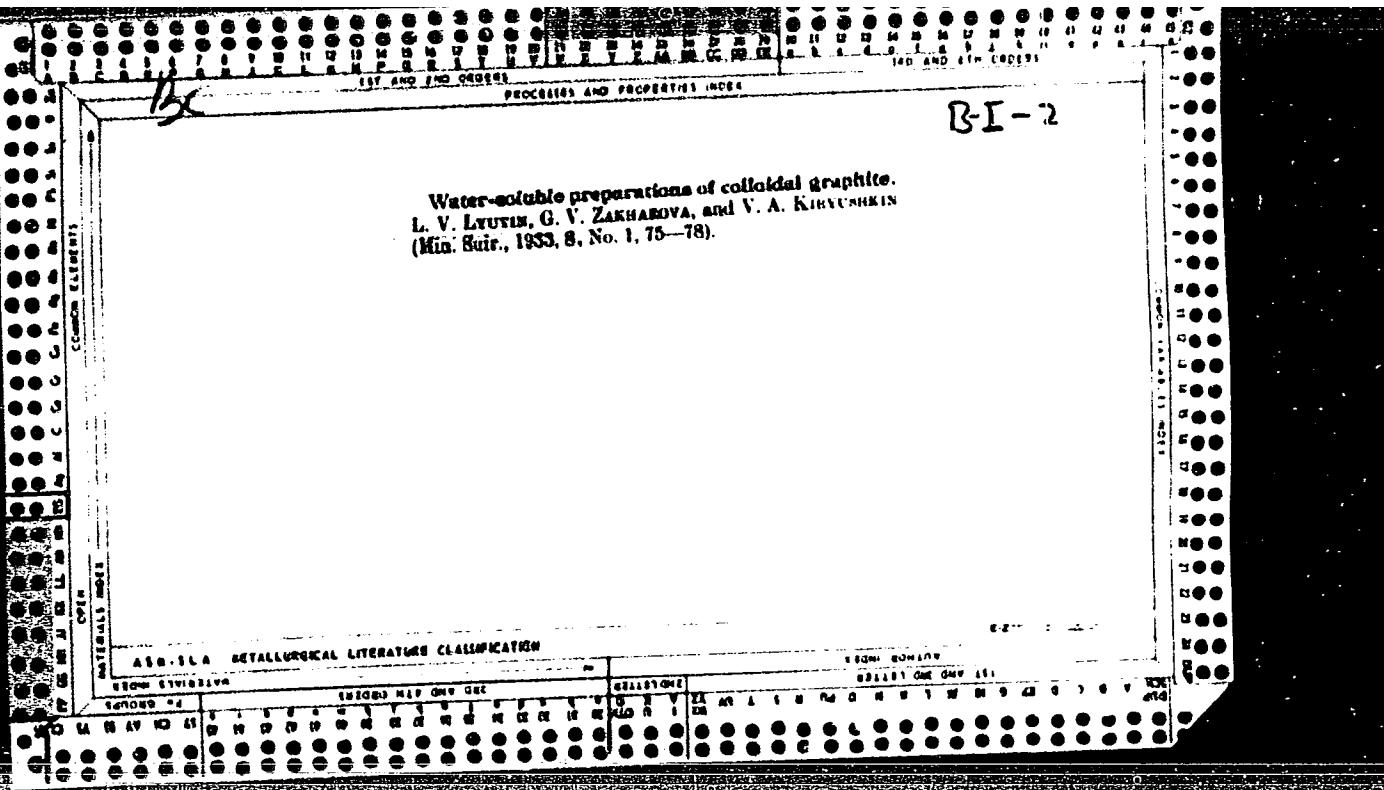
Pulverization of graphite flakes in colloid mills. L. V. LVUTIN. *Ibid* 71 1.—Various grades of graphite flakes were comminuted twice in a cake mill and then in a colloid mill with the addn. of a tanning ext., and the degree of dispersion was detd. by the fall in concn. on standing. Graphite flakes directly pulverized in a colloid mill with ammoniacal gelatin soln. produced highly dispersed suspensions, which on drying gave powdery preps., while the tannin-stabilized suspensions after drying gave a viscous mass. Dispersion analysis of graphite oil suspensions. L. V. LVUTIN AND V. A. KIRYUSKIN. *Ibid* 71 4.—The application of the methods based on Stoke's theorem for the analysis of dispersions to colloidal suspensions of graphite in oil has 2 difficulties, viz., in the detn. of the concns. of graphite and in the changes of the viscosity of suspension with different solvents. The concn. of graphite suspensions in oil can be rapidly detd. by filtering the suspensions through a Berlin porous crucible, which adsorbs the finest particles of graphite together with the tarry matter; the latter is then decompd. by heating at 350°. The small amt. of coke formed by the tarry matter is of const. wt. for the same petroleum products, and can be accounted for when extreme accuracy is required. Another very quick method for the sepn. of oil from graphite is based on coagulation of graphite suspensions in C_6H_6 with $(CH_3)_2CO$, then filtration through a Gooch crucible contg. 3 layers of dense filter paper, and washing with org. solvents; this method gave results which checked well, though averaging 0.5-0.58%.

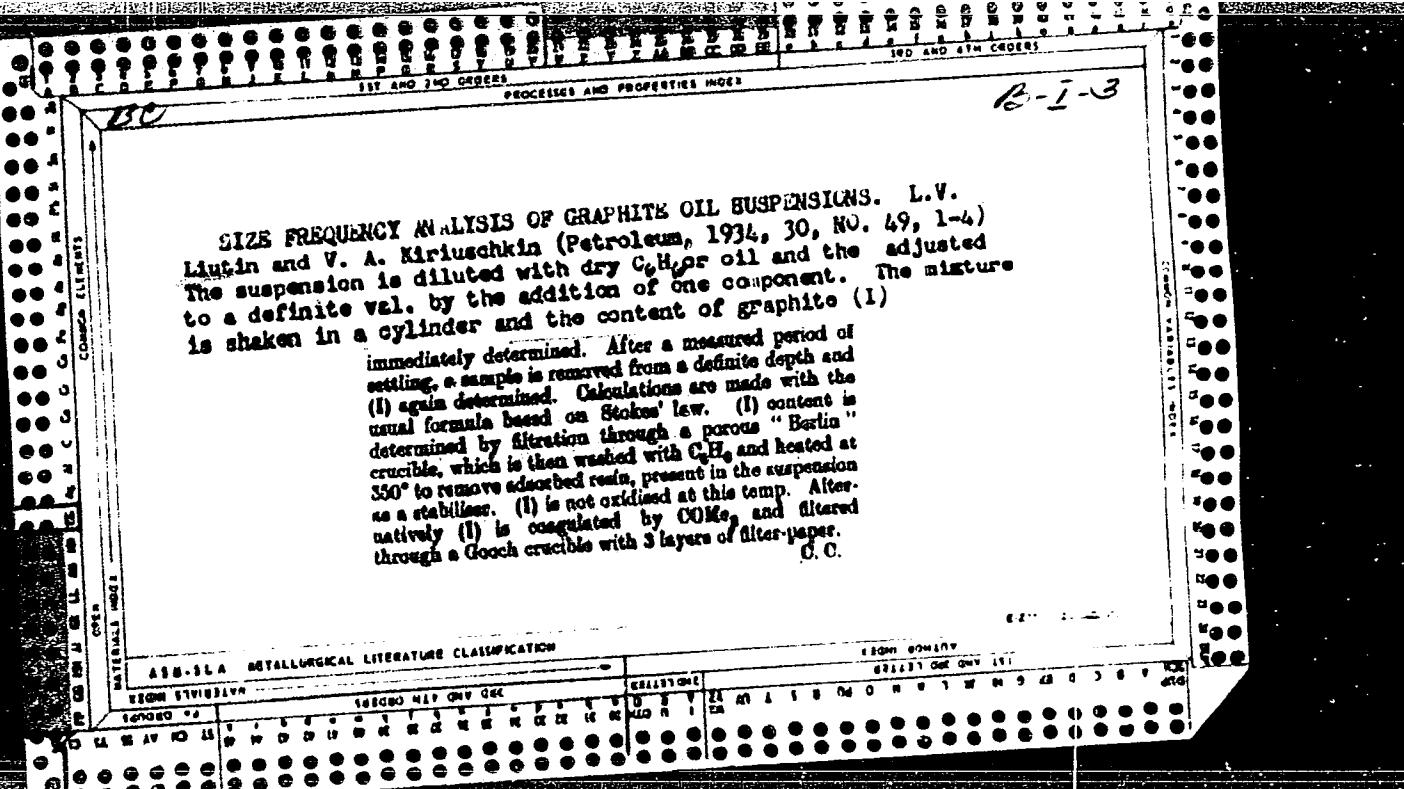
high because of the presence of the tarry matter. In the analysis of oil suspensions mixed with org. solvents of indefinite compn., with varying values of viscosities and ds. of dispersing medium, it is necessary in each case to calc. and plot a new curve of distribution for equiv. radius. To facilitate this work, the internal changes of the more frequently used solvents with gradually increasing quantity of oils used in the prepns of the suspensions were detd., and the curves plotted. The internal friction rises with the increasing concn. of the added oil and conforms to a somewhat bent curve. By taking as a basis some point in the curve nearest to the compn. of the tested suspension, the full curve of distribution for this point can be plotted. Before the analysis, the viscosity is detd., and from the curve of the viscosity changes it can be found what amt. of the lower- or higher-viscosity component must be added to obtain a suspension with the standard viscosity as required by Stoke's formula. Foreign water-soluble preparations of colloidal graphite. L. V. Lyutin, G. V. ZAKHAROVA AND V. A. KIRYUTINA /ibid 75-8.—The com. colloidal graphite prepns. Aquadag, Hydrokollag and Kohydrokollag were investigated, and found to contain considerable amts. of coarse particles, but the bulk consists of ultramicroscopic particles, sedimentation of which is considerably counteracted by the Brownian movement. The most highly dispersed product is Aquadag
CHAS BLANC

ABC
B-I-2

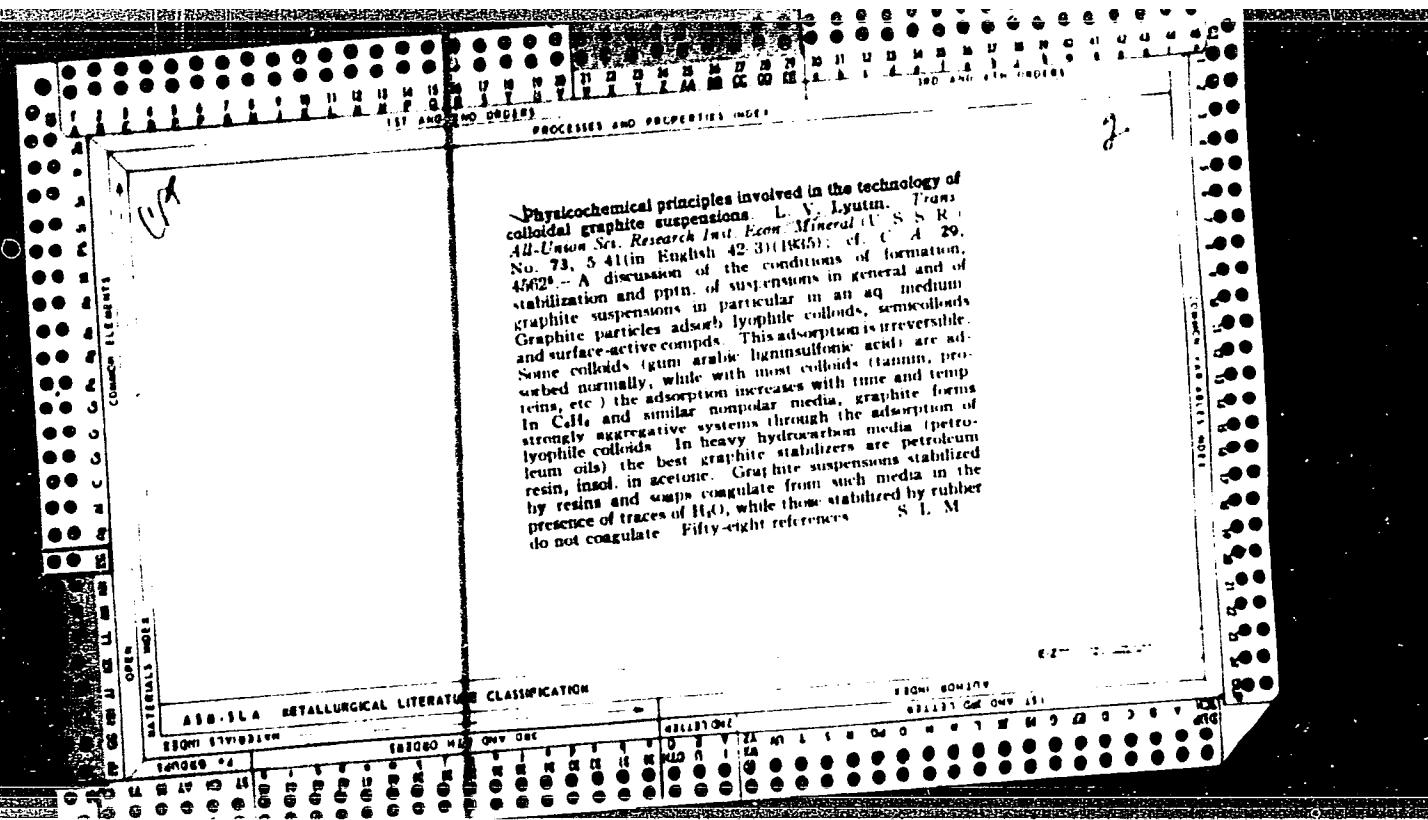
DISPERSION ANALYSIS OF GRAPHITE-OIL SUSPENSIONS.
L. V. LUTCH AND V. A. KURUSAKI (Min. Surv., 1933,
8, No. 1, 71-74).—Graphite concn. is determined by
filtration through a porous crucible, and decomposing
the tarry matter at 350°, allowance being made if
necessary for the amount of coke formed. Alternatively,
the suspension in C_6H_6 is coagulated with CO_2 , and
filtered through paper in a Gooch crucible. Deter-
mination of the distribution is discussed. U.S. Ags.

A.I.M.-SLA METALLURGICAL LITERATURE CLASSIFICATION





"Chalking" of titanium white. L. V. Lyutin and E. A. Gusyatikaya. *J. Applied Chem.* v. 3, No. 8, 83-9 (1960). The "chalking" of layers of Ti white paint is due to the action of atm factors on the oil, catalyzed by the TiO_2 . The process may be inhibited by covering the layer with a different, stable layer, not contg. TiO₂, or by covering the TiO_2 particles with an absorbed layer of Fe(OH)₃ or MnO_2 before suspending them in oil, but not by covering them with hydrophilic substances such as Al soaps. B. C. A.



1ST AND 2ND ORDERS
PROCESSES AND PROPERTY DATA

3

CP
Determination of mesothorium in radium preparations
from Tyuya-Muyun earths. V. I. Baranov and I. A.
Lyutin. Izv. inst. radiač. S. S. R. 2, 603 (in
German) (1937). Mes-Th is determined in 2 different Ra
preps. from the Tyuya-Muyun region by the emanation
method, after removal of radonThorium by coprecip. with
 $\text{Fe}(\text{OH})_3$. For the ratio Ra/Mes-Th the av. is 2×10^4 , from
which the calc'd. ratio U/Th is approx. 2.8×10^4 . This
ratio is close to that found in pitchblende from Irkutsk-
thal. John Lusk

ASR-SLA METALLURGICAL LITERATURE CLASSIFICATION

EDITION 1964

CA

22

Colloidal-graphite lubricants, technology of their production and their application. L. V. Iyutin. *Vsesoyuz. Nauchn.-Tekhn. Konferents. Treniya i Issled. Materialy*, 1, 418-52 (1939); Khim. Referat. Zhur. 1940, No. 8, 104, cf. 6, 34, 35(?) Graphite is ground in a water medium in the presence of a stabilized sulfite lye, which increases the yield of the finest fractions. The coarse and dried graphite is ignited at 380° to destroy the absorbed stabilizer and dried in mineral oil. Petroleum resins (70-80% of the wt. of graphite) in the form of semisludge are used as stabilizers. Treating the semisludge with Me₂CO produces an active stabilizer. No ignition is required if soap is used as stabilizer. W. R. Henn

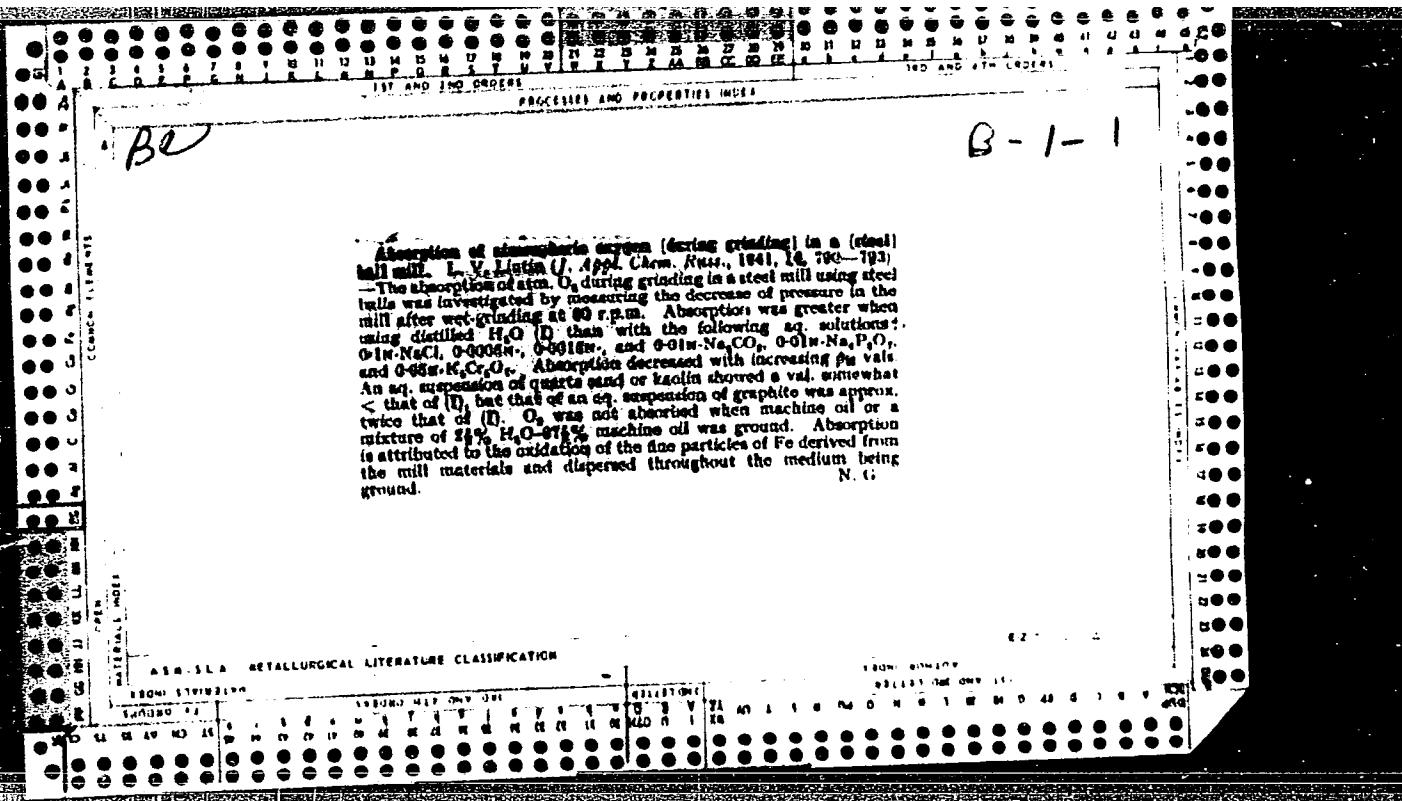
ASH-SLA METALLURGICAL LITERATURE CLASSIFICATION

SECOND SUBDIVISION

SECOND SUBDIVISION	SECONDARY INDEX	UNIV. JOUR.	PERIODICALS	SECOND SUBDIVISION	SECONDARY INDEX	UNIV. JOUR.	PERIODICALS
100000	100000	100000	100000	100000	100000	100000	100000

Production of colloidal graphite lubricants
Lyutin, Trans. All-Union Sci. Research Inst. Mineral No. 146, 63 (6) (1959). Data are given on the properties and methods of manuf. of colloidal graphite lubricants. The graphite most suitable for lubricants should have an apparent sp. gr. less than 1. An ammonia soln. of glue and gelatin was tested as stabilizer. In the first stages of grinding these compds. act as stabilizers but with continued grinding the suspensions coagulate despite the addn. of more stabilizer. The coagulation increases sharply at higher temps. and also with preliminary grinding in ball mills. The effect of tannins upon the coagulation was less and especially good results were obtained with neutralized sulfite liquors. It is believed the coagulation is due to the interaction of the stabilizer with the Fe oxides on the walls of the ball mill and the adsorption of these products by the particles of graphite.

P. Z. Kamich



(A)

The colloidal chemical principles in the application to
the drilling muds (for well drilling). I. V. Yudin
From: All Union Soc. Research Inst. Petroleum
(U.S.S.R.) No. 174, 70 pp.(1941) A systematic compilation
of recent works, elsewhere published, in the form of
advanced textbook for the petroleum engineers and tech-
nicians, or those in related fields. Clays are classified
according to their formation and composition, and their proper-
ties are considered. The dispersion of clays in water, their
properties, sedimentation, aggregative stability, and an
influence of stabilizing electrolytes are discussed. Various
methods of the phys.-chem. analysis are described and
evaluated. The effect of electrolytes and colloids on the
properties of drilling muds (clay solus.) and the methods
for improvement of properties of drilling muds by utilizing
electrolytes and colloids are described. The bentonite and
other clay suspensions admixed with heavy minerals
(powd.) and possibility of their application as drilling
muds are described. 40 references. A.A. Polgoryev

A30-51A METALLURGICAL LITERATURE CLASSIFICATION

FROM LIBRARY	SUBJECT INDEX	SECTION	RIGHT ENDING
SEARCHED	SEARCHED AND ONE ORG.	SECTION	SEARCHED AND ONE ORG.

1. LYUTIN, L. V.
2. USSR (600)
4. Mineralogical Chemistry
5. Investigating changes of intensity of adhesion of mineral particles in a liquid medium.
7. [Abstract.] Izv.Glav.upr.geol.fon. no.2, 1947.
9. Monthly List of Russian Accessions, Library of Congress, March 1953, Unclassified.

1. LIUTIN, L.V.
2. USSR (600)
4. Clay
7. Development of bases and methods of evaluating the pliability and binding power of clays. (Abstract) Izv. Glav. upr. geol. fon. no. 2. 1947
9. Monthly List of Russian Accessions, Library of Congress, March 1953.
Unclassified

2

Stabilization of mineral suspensions. L. V. Jephcott
Prudy Venezia, Nauch.-Issledovatel. Inst. Mineral. SSSR,
Moskovskoe Grd., N.N.S.R. No. 178, 151 pp. (1947) (English
summary). It discusses sedimentometric and viscometric
methods of evaluation of the adhesion intensity of particles.
The viscometric method is preferable, but it is applicable
only if during the detn. the aggregates do not change their
rigidity. The effect is discussed of proteins, sulfite liquor,
tannins, high-polymer carbohydrates, tetraacetic acid,
soaps, and inorg. colloids on suspensions of graphite, kaolin,
carbonium, and BaSO₄. M. Hesch

LYUTIN, L.V.; BURDYN', T.A.; KUZ'MENSKOVA, O.M.; OLEYNIK, I.P.

Preparing fracturing fluids and studying their physicochemical
properties. Trudy VNII no.16:128-156 '58. (MIRA 11:12)
(Oil wells--Hydraulic fracturing)

BURDYN', T.A.; KUZ'MENKOVA, O.M.; LYUTIN, L.V.

Laboratory research on acid treatment of bottom hole zones.
Trudy VNII no.16:166-171 '58. (MIRA 11:12)
(Rocks--Permeability)

LYUTIN, L.V.; OLEYNIK, I.P.

Adsorption of asphaltanes by quartz. Nauch.-tekhn. sbor. po
dob. nefti no.16:78-81 '62. (MIRA 15:9)

1. Vsesoyuznyy neftegazovyy nauchno-issledovatel'skiy institut.
(Asphaltenes) (Adsorption) (Quartz)

LYUTIN, L.V.; ABEZGAUZ, I.M.; BURDYN', T.A.; MAILYANTS, N.V.; OLEYNIK, I.P.

Studying the effect of asphaltenes on the processes taking place
in oil and water flow through a porous medium. Trudy VNII
no. 37:300-337 '62. (MIRA 16:6)
(Asphaltenes) (Fluid dynamics)

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001031220018-3

ZHELTUKHIN, P.V., inzh.; LYUTIN, M.F., inzh.; KOVRIGIN, Ye.N., inzh.

Forest management machines. Trakt. i sel'khozmash. no.7;36-37 Jl '64.

(MIRA 18:7)

1. Gosudarstvennoye spetsial'noye konstruktorskoye byuro po proyektirovaniyu
lesokhozyaystvennykh mashin Volgo-Vyatskogo soveta narodnogo khozyaystva.

APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001031220018-3"

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001031220018-3

LYUTIN, M.F., inzh.; NAZAROV, A.V., inzh.

SKS-1 planter for large seedlings. Trakt. i sel'khozmasst. 35 My '63.
(MIRA 16:10)

APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001031220018-3"

HQ ✓ Xanthoproteic reaction and its importance in the veterinary practice. P. M. Lyutiu. *Trudy Kirov. Sel'skakhs. Inst.* 9, No. 1, 219-25 (1950). *Referat. Zhur. Khim.* 1954, No. 41464.—The xanthoproteic reaction (XP) was studied on the protein-free fraction of blood serum of healthy and sick horses. The XP index in healthy animals showed fluctuations within the limits of 16-45 units, depending on the physiol. condition of the animal. The XP index increased (to 60-100 units) during diseases assoc'd. with disturbances of metabolic processes and protein synthesis within the organism; during myoglobinuria XP decreased.
E. Wiericki

KRAFT, M.Ya.; LYUTINA, F.V.

Action of chlorosulfurous acid on alkyl sulfuric acids.
Simple method of preparing diethyl sulfate. Zhur. ob. khim.
32 no.11:3493-3495 N '62. (MIRA 15:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy
institut imeni S. Ordzhonikidze.
(Ethyl sulfate)

LYUTINA, R.V.

SHKOL'NIK, L.M., kand. tekhn. nauk; LYUTINA, R.V., inzh.

Investigating the quality of fishplates used with heavy-type rails. Trudy TSHII. MPS no. 154:181-194 '58. (MIRA 12:1)
(Railroads--Rails--Fastenings)

TITLE: Increasing rail strength in the bolt zone

SOURCE: Vsesoyuznyy nauchno-issledovatel'skiy institut zhelezodorozhnoy
transporta. Vestnik, no. 8, 1964, 36-39

73

TOPIC TAGS: fabricated structural metal, railway track

Abstract. The following measures are recommended for increasing the fatigue strength of rails in the area of a bolt hole. 1. The rails should be made with round holes only since oval holes lower the fatigue strength of the rails. 2. The edges of all holes in new industrially produced rails should be bevelled. This applies to holes drilled in old rails as well. 3. The rails should be strengthened by cold working the metal of the web, expanding the holes with a punch which has a tapered end and a cylindrical calibration section. For type R-50 rails, a 0.5 mm expansion provides an extremely large increase in the fatigue durability of the rails. Both untreated rails and those which have been case hardened or completely hardened need additional strengthening. The factories where the rails are rolled and the repair shops should be equipped

Card 1/2

L 40726-65

ACCESSION NR: AP5012128

with presses for strengthening the rails. Small presses (15-20 tons) are required for strengthening. Orig. art. has 4 figures and 2 tables.

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: IE

NO REF SOV: 002

OTHER: 000

JPRS

Card 2/2

ACCESSION NR: AT4014054

S/3073/63/000/000/0270/0274

AUTHOR: Shkol'nik, L. M.; Shchapov, N. P.; Savel'yeva, R. A.; Lyutina, R. V.

TITLE: Effect of cyclic loading on the hydrogen concentration in steel

SOURCE: Prochnost' metallov pri peremennykh nagruzkakh; materialy* tret'yego soveshchaniya po ustalosti metallov, 1962 g. Moscow, Izd-vo AN SSSR, 1963, 270-274

TOPIC TAGS: steel alloy, loading, cyclic loading, stress, plastic deformation, steel, hydrogen, metal fatigue

ABSTRACT: The concentration of hydrogen in steel is known to affect its structure and properties. The effects of cyclic loading on the concentration of hydrogen in console-type and rail-type steel was investigated using two devices at 06-1400 cycles/minute, the hydrogen concentration being determined by gas analysis. The rupture strength at these frequencies was also determined. This procedure showed that during cyclic loading, the concentration of H is decreased, its desorption from the metal is accelerated, and its mobility is increased. The concentration of H, however, increases in the area of the highest stress. This depends on the duration of the cyclic loading and not on maximum level in the exposed cross section, although the rate of diffusion of H is increased by plastic deformation.

Card 1/2

ACCESSION NR: AT4014054

Orig. art. has: 7 figures.

ASSOCIATION: None

SUBMITTED: 00

DATE ACQ: 20Feb64

ENCL: 00

SUB CODE: MM

NO REF SOV: 000

OTHER: 000

Card 2/2

LYUTINA V.R.

SKAKOV,A.I., kandidat tekhnicheskikh nauk; SHKOL'NIK,L.M., kandidat
tekhnicheskikh nauk; LYUTINA,V.R., inzhener

Results of studies on heat treated track bolts. Trudy TSNII MPS
no.85:160-175 '55. (MIRA 8:11)
(Railroads--Equipment and supplies)

LYUTINSKIY, S.I.

Simultaneous registration of the temperature of the skin,
internal organs and rectal temperature of the animal under
conditions of a prolonged experiment. Biul. eksp. biol.
i med. 52 no.9:120-123 S '61. (MIRA 15:6)

1. Iz kafedry patologicheskoy fiziologii (zaveduyushchiy -
prof. B.I. Kadykov) Leningradskogo veterinarnogo instituta.
Predstavlena deystvitel'nym chlenom AMN SSSR V.N. Shamovym.
(BODY TEMPERATURE)
(PHYSIOLOGICAL APPARATUS)

LYUTIVINSKAYA, T.

LYUTIVINSKAYA, T., arkitektor.

Homes should be attractive. Sel'. stroi. 12 no. 10:7-10 O '57.
(Decoration and ornament, Architectural) (MLRA 10:11)

LYUTIVINSKAYA, T., arkhitektor.

Distributing new dwellings in collective villages. Sel'. stroi.
13 no. 9:24-27 S '58. (MIRA 11:10)
(Farm buildings)

23757-66 EWT(m)/T/EWP(t) IJP(c) JD

ACC NR: AP6008553

SOURCE CODE: UR/0166/66/000/001/0085/0086

AUTHOR: Starodubtsev, S.V.; Kharchenko, V.V.; Prutkin, V.P.; Lyutkovich, A.S.

40

B

ORG: Physics Technical Institute, AN UzSSR (Fiziko-tehnicheskiy institut AN UzSSR)

TITLE: Diffusion of phosphorus in epitaxial silicon

21

SOURCE: AN UzSSR. Izvestiya. Seriya fiziko-matematicheskikh nauk, no. 1, 1966, 85-86

TOPIC TAGS: epitaxial growing, single crystal, phosphorus, silicon

18

ABSTRACT: The authors investigated the diffusion of phosphorus in epitaxial layers of silicon grown from the gas phase by means of the reaction of hydrogen reduction of silicon chloride. The experiments were performed on single crystal films with a specific resistance of the order of 90 ohm·cm grown at 1200C on silicon base layers. The results show that the phosphorus diffusion coefficient in epitaxial film at 1000C is $3 \cdot 10^{-12}$ cm²/sec, and differs considerably from the phosphorus diffusion coefficient at the same temperature in single crystals of silicon ($3 \cdot 10^{-14}$ cm²/sec). This, apparently, is related to the characteristics of the structure of epitaxial films. Orig. art. has: 1 figure.

SUB CODE: 20.0% SUBM DATE: 08Aug65 / ORIG REF: 001 / OTH REF: 006

Card 1/1

LYUTKEVICH, G.A.

Clinical treatment of glaucoma patients. Vest. oft. 33 no.1:3-6 Ja-F '54.
(MLRA 7:1)

1. Iz glaznogo otdeleniya Zhdanovskoy gorodskoy bol'nitsy.
(Glaucoma)

LYUTKEVICH, G.A. (Stavropol'-na-Kavkaze)

Conference of Ophthalmologists of the Northern Caucasus
on Problems of Treating Eye Diseases in Sanatoriums and
Health Resorts. Vest. oft. 76 no.3:79-82 My-Je '63.
(MIRA 17:2)

LYUTKEVICH, G.A.

"Treatment of trachoma by antibiotics." M.P. Chumakov, A.S.
Savvaitov. Reviewed by G.A. Liutkevich. Vest. oft. 69 no.1:
45-47 Ja-F 56 (MLRA 9:5)

1. Glavnnyy vrach Stavropol'skogo krayevogo trakhomatoznogo
dispansera.
(CONJUNCTIVITIS, GRANULAR) (ANTIBIOTICS)

LYUTKEVICH, I.F., inzh.

Machine for fatigue testing of wire rope. Ugo..prom. no.5:40-42
S-0 '62. (MIRA 15:11)

1. Novocherkasskiy politekhnicheskiy institut.
(Wire rope--Testing)

LYUTKEVICH, I.F. inzh.

Eye ring with a variable magnitude of the relative eccentricity.
Ugol'. prom. no.4:85-86 Jl-Ag '62. (MIRA 15:8,

1. Novocherkasskiy politekhnicheskiy institut.
(Hoisting machinery--Technological innovations)

LYUTKEVICH, I.F.

Design and construction of wedge-shaped eyes for hoists. GOMZ NPI
13";47-54 162.

Allowable wear of a bristing cable in the fastening section. 5-61
(MIRA Inv.16)